

REMARKS/ARGUMENTS

1. Claims 18, 19, 22, 40, 41, 44, 62, 64, and 66 are Patentable Over the Cited Art

The Examiner rejected pending claims 18, 19, 22, 40, 41, 44, 62, 64, and 66 as anticipated (35 U.S.C. §102(e)) by Blants (U.S. Patent No. 6,732,080). Applicants traverse with respect to the amended claims.

Amended independent claims 18, 40, and 62 concern generating a calendar for a personal information management program, and require: receiving selection of a time interval; for the selected time interval, determining position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device; processing the position coordinates and time information during the selected time interval to determine whether a change in a series of the position coordinates at times during the selected time interval indicates a predefined activity of the user occurring during the selected time interval; generating information on the predefined activity within the selected time interval; and displaying information on the predefined activity of the user and the selected time interval.

Applicants amended claims 18, 40, and 62 to remove the limitation concerning processing the position coordinates to information on locations and added requirements from canceled claims 10, 32, and 54 concerning processing the position coordinates and time information to determine whether a change in a series of the position coordinates at times indicates a predefined activity of the user.

The Examiner cited Figs. 2, 3, 5, col. 8, lines 11-49, col. 1, lines 50-55, col. 12, line 53 to col. 13, line 15, and col. 13, lines 63-67 of Contractor as teaching the requirements of claims 10, 32, and 54 (Final Office Action, pg. 9), whose requirements were added to the independent claims 18, 40, and 62. Applicants traverse the findings that the cited Contractor teaches the requirements of claims 10, 32, and 54 added to claims 18, 40, and 62.

The cited col. 8 mentions displaying a date when the service person is to make visits and a list of sites visited or scheduled to visit. Further, the appointment time is provided in expected time 230 in the displayed schedule of FIG. 2, along with the street address. The cited col. 8 discusses displaying information on sites a service person is supposed to visit. Nowhere is there any teaching or suggestion of the claim requirements of processing the position coordinates and

time information to determine whether a change in a series of position coordinates indicates a predefined activity for a selected time interval. The cited col. 8 displays information on locations to visit, and does not teach or suggest providing information based on a change in a series of position coordinates that indicates a predefined activity.

The cited col. 10 discusses confirming a visit to a site and displaying the time confirmation was made that a site in the site list was visited. The cited col. 10 provides information on whether a site was visited. Nowhere is there any teaching or suggestion of the claim requirements of processing the position coordinates and time information to determine whether a change in a series of position coordinates indicates a predefined activity. There is no teaching of considering a change in a series of position coordinates to determine whether such change in coordinates indicates a predefined activity. Instead, the cited col. 10 discusses scheduled locations that were visited.

The cited cols. 12-13 discuss a service person track report of FIG. 5. FIG. 5 shows locations that a service person visited, by street address. Locations actually visited may be displayed in a different manner, such as underscored, color coded, etc., to distinguish from sites not visited. Although the cited FIG. 5 shows a mapping of site location to visit and visited, nowhere does the cited FIG. 5 anywhere teach or suggest determining whether a change in a series of position coordinates at times during a selected time interval indicates a predefined activity. There is no teaching in the cited FIG. 5 of analyzing a change in a series of position coordinates during a selected time interval as claimed. Further, the locations shown in FIG. 5 include locations that were not visited. Such unvisited locations would not be part of changed position coordinates that indicate a predefined activity.

The cited col. 13, lines 63-67 discusses comparing a time a service person was at a location with a visit duration parameter. Although the cited Contractor discusses determining a time the service person was at a site, nowhere is there any teaching or suggestion of the claim requirement of determining whether a change in a series of position coordinates indicates a predefined activity during a selected time interval.

The above cited Contractor discusses providing information on sites a service person has visited and time they spent at the site. However, there is no teaching, suggestion or mention in the cited Contractor of the claim requirement of determining whether a change in a series of position coordinates indicates a predefined activity over a selected time interval. There is no

mention of analyzing a service persons change of positions to determine whether such change indicates a predefined activity.

Moreover, the above cited Contractor also fails to teach or suggest the additional added requirement of generating information on the predefined activities for activity time periods within the selected time interval, and displaying information on the determined predefined activity at the selected time interval.

For all the above reasons, Applicants submit that the requirements added to claims 18, 40, and 62 are not taught in the cited Contractor the Examiner referenced as teaching the determination of predefined activities with respect to claims 10, 32, and 54.

Accordingly, Applicants submit that amended claims 18, 40, and 62 are patentable over the cited art because the added requirements distinguish over the cited art.

Claims 19, 22, 41, 44, 63, and 66 are patentable over the cited art because they depend from one of claims 18, 40, and 62, which are patentable over the cited art for the reasons discussed above. The below discussed dependent claims provide further grounds of distinction over the cited art.

Amended claims 19, 41, and 63 depend from claims 18, 40, and 62 and further require determining scheduled events for the user within the selected time interval and displaying information on the scheduled events within the selected time interval adjacent to the displayed information on the determined predefined activity where the user was located for the selected time interval.

Applicants amended these claims to recite that the information on the scheduled events is within the selected time interval and displayed adjacent to information on the predefined activity.

The Examiner cited col. 3, lines 15-24, col. 6, lines 42-67, and col. 12, lines 31-40 of Blants as disclosing the preamended form of the claim requirements. (Final Office Action, pg. 4) Applicants traverse with respect to the amended claims.

The cited col. 3 mentions that a calendar at the server transmitted to the mobile terminal contains a number of events each having properties such as location and time and the mobile terminal has a physical location which may be detected. The cited col. 3 does not disclose nor mention displaying information on scheduled events adjacent to information on the predefined activity where the user was located for the selected time interval.

The cited col. 6 mentions displaying a calendar at a mobile terminal, transmitted by a server, including scheduled calendar user services that have associated a scheduled time and location at which the user service is provided to the user. Although the cited col. 6 discusses scheduling user services and displaying scheduled user services in a calendar at a mobile device, nowhere does the cited col. 6 disclose or mention displaying information on scheduled events adjacent to information on the determined predefined activity where the user was located for the selected time interval. The cited col. 6 mentions displaying information on the time of a scheduled event, but nowhere discloses the claim requirement of displaying information on scheduled events adjacent to information on the determined predefined activity where the user was located.

The cited col. 12 mentions storing a current location from the mobile terminal and a GUI to display the calendar of the user. The mobile terminal may have multiple displays for cellular communications and the personal calendar. Although the cited col. 12 discusses displaying personal calendars and cellular communications in different displays, nowhere does the cited col. 12 disclose or mention displaying information on scheduled events adjacent to information on the determined predefined activity where the user was located for the selected time interval.

The cited col. 13 discusses displaying event, event time, event location and event type information and the x, y, z position coordinates from the GPS receiver. The displayed position coordinates mentioned in col. 13 are the position coordinates of the event on the schedule of the user of the mobile device. Although the cited col. 13 discusses displaying information on a scheduled event, such as the position coordinates of the scheduled event, see FIG. 3, nowhere does the cited col. 13 disclose or mention displaying information on scheduled events adjacent to information on the predefined activity where the user was located for the selected time interval. Instead, the cited col. 13 and corresponding FIG. 3 discuss displaying information on the scheduled events, not the determined predefined activity of the user during the selected time interval.

Accordingly, claims 19, 41, and 63 are patentable over the cited art for the reasons because the additional requirements of these claims are not disclosed in the cited art.

2. Claims 1-4, 6-8, 11-14, 15, 23-26, 28-30, 33-38, 45-48, 50-52, 55-60, 67, and 68 are Patentable Over the Cited Art

The Examiner rejected pending claims 1-4, 6-8, 11-14, 15, 23-26, 28-30, 33-38, 45-48, 50-52, 55-60, 67, and 68 as obvious (35 U.S.C. §103(a)) as obvious over Chern (U.S. Pub. No. 2003/0060211) in view of Contractor (U.S. Patent No. 6,847,824). Applicants traverse with respect to the amended claims.

Amended independent claims 1, 23, 45, and 67 concern providing user location information for a personal information management program, and require: generating position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device; processing the position coordinates and time information to determine whether a change in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and generating information on the determined predefined activity for the activity time period.

Applicants amended claims 1, 23, 45, and 67 to remove the limitation concerning processing the position coordinates to information on locations and added requirements from canceled claims 10, 32, and 54 concerning processing the position coordinates and time information to determine whether a change in a series of the position coordinates at times indicates a predefined activity of the user.

Above, Applicants explained why the claim requirements concerning processing the position coordinates and time information to determine whether a change in a series of the position coordinates at times indicates a predefined activity of the user distinguish over the sections of Contractor the Examiner cited. For the above discussed reasons, Applicants submit that amended independent claims 1, 23, 45, and 67 distinguish over the cited art and are in condition for allowance.

Claims 2-4, 6-8, 11-14, 15, 24-26, 28-30, 33-38, 45-48, 50-52, 55-60, 67, and 68 are patentable over the cited art because they depend from claims 1, 23, 45, and 67, respectively. Further, to the extent these claims were amended to include requirements concerning the predefined activity, Applicants submit that these claims provide additional grounds of patentability over the cited art.

3. Added Claims 73-95 are Patentable Over the Cited Art

All these added claims 73-95 are patentable over the cited art because they depend from one of the above discussed independent base claims, which are patentable over the cited art for the reasons discussed above.

Claims 73, 80, and 87 depend from claims 1, 23, and 45, respectively, and further require determining locations of the wireless device during the activity time period based on the position coordinates of the wireless device during the activity time period, wherein generating the information comprises generating information on the predefined activity and the locations where the predefined activity occurred.

The added requirements of these claims are disclosed in at least pgs. 10-14 and FIGs. 3d, 5 and 6 of the Application.

Claims 74, 81, and 87 depend from claims 73, 80, and 87, respectively, and further require generating a record associating the determined locations with the determined predefined activity.

The added requirements of these claims are disclosed in at least pgs. 10-14 and FIGs. 3d, 5 and 6 of the Application.

Claims 75, 82, and 88 depend from claims 73, 80, and 87, respectively, and further require determining the locations of the wireless device during the activity time period comprises determining the position coordinates at a first and last geographical locations of the wireless device at a first and last time periods of the activity time period.

The added requirements of these claims are disclosed in at least pgs. 14-18 and FIG. 6 of the Application.

Claims 76, 83, and 89 depend from claims 73, 80, and 87, respectively, and further require that determining the predefined activity comprises determining a rate of change in distance per unit of time of the position coordinates during the activity time period.

The added requirements of these claims are disclosed in at least pgs. 14-18 and FIG. 6 of the Application.

Claims 77, 84, and 90 depend from claims 1, 23, and 45, respectively, and further require that the predefined activity is a member of a set of predefined activities comprising at least one of driving, walking, running, bicycle riding, and flying in an airplane.

The added requirements of these claims are disclosed in at least pgs. 10 and 14 of the Application.

Claims 78, 85, and 92 depend from claims 4, 26, and 48, respectively, and further require that the position coordinates and associated time periods to determine the predefined activity is performed for ranges of position coordinates not determined to be included in one of the provided location boundaries.

The added requirements of these claims are disclosed on at least pgs. 14-15 and FIG. 6.

Claims 79, 86, and 93 depend from claims 18, 40, and 62, respectively, and further require determining locations of the wireless device during the activity time period based on the position coordinates of the wireless device during the activity time period, wherein generating the information comprises generating information on the predefined activity and the locations where the predefined activity occurred.

Added claim 94 recites a system comprising: a wireless device associated with a user; a server; code executed by the wireless device that is adapted to generate position coordinates of the wireless device and time information indicating times when the position coordinates were generated; code executed by the server that is adapted to: process the position coordinates and time information to determine whether a change in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and generate information on the determined predefined activity for the activity time period.

Claim 95 depends from claim 94 and further requires that the code executed by the server is further adapted to determine locations of the wireless device during the activity time period based on the position coordinates of the wireless device during the activity time period, wherein generating the information comprises generating information on the predefined activity and the locations where the predefined activity occurred.

The added requirements of claims 94 and 95 are disclosed on at least pages 9-19 and FIGs. 1, 3a, 3b, 3c, 3d, 4, 5, and 6.

Conclusion

For all the above reasons, Applicant submits that the pending claims 1-4, 6-8, 11-14, 15, 16, 18, 19, 22-26, 28-30, 33-38, 40, 41, 44-48, 50-52, 55-60, 62, 63, 66-68, and 73-95 are patentable over the art of record. Applicants submit herewith the fee for the added claims. Nonetheless, should any additional fees be required, please charge Deposit Account No. 09-0447.

The attorney of record invites the Examiner to contact him at (310) 553-7977 if the Examiner believes such contact would advance the prosecution of the case.

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